



Introductory Training for the BIEE-ROSE Project on  
Energy Efficiency and SDG7 monitoring in Latin  
America and the Caribbean  
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# Overview and status of the Energy Efficiency Policy Data Base for LACS

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# Overview of BIEE policy data base

# Overview of BIEE Policy Data Base

- To be easily retrieved through queries policy measures in the LACs policy data base are **classified** :
  - by **sector**:
    - i. Horizontal (“cross cutting”)
    - ii. Households
    - iii. Services
    - iv. Industry
    - v. Transport
  - by **type** : e.g. mandatory information, regulation (i.e. obligation), financial (e.g. subsidies), fiscal (taxes)...
  - and **sub-type**: e.g. ofr regulation: minimum energy efficiency standards, obligation for large consumers (e.g. mandatory audits).
  - according to their **targets** (e.g. SME’s in industry, low income household for households, public buildings in services modal shift in transport,...
- This corresponds to **descriptors** or **parameters** that have to be input to characterise the measures.

# Measure types

Each measure is characterised by its type and sub type

Measure type	Sub types
Mandatory information	<ul style="list-style-type: none"><li>• Mandatory labels/ energy efficiency certificates</li><li>• Mandatory audits</li></ul>
Regulation	<ul style="list-style-type: none"><li>• Minimum Efficiency standards for buildings, for electrical appliances, vehicles</li><li>• Other regulations (energy management obligations, installation of solar...)</li></ul>
Financial	<ul style="list-style-type: none"><li>• Subsidies</li><li>• Soft loans</li></ul>
Fiscal	<ul style="list-style-type: none"><li>• Tax reduction on efficient vehicles, appliances</li><li>• Eco-Tax</li></ul>
Information/training	<ul style="list-style-type: none"><li>• Information campaigns; information centres</li><li>• Voluntary labelling; voluntary audits</li><li>• Promotion of EE practices (public transport, behaviour...)</li></ul>
Others	<ul style="list-style-type: none"><li>• Energy saving or renewables obligation</li><li>• Technology procurement</li><li>• Agreements , awards ...</li></ul>
Programme	General programmes

# Summary of descriptor of measures in BIEE policy data base

Sector	5 sectors: horizontal, households, services, industry, transport
Types	7 main types: mandatory information, regulations, financial, fiscal, information, others, sectoral programmes
Sub-types	~100 sub types :horizontal 14), households (17), services (24), industry (19), transport (25)
End-uses	~30 end-uses : households (12), services (6), industry (5), transport (5)
Targets ("actors targeted ")	~20 actors: households (6), services (6), industry (5), transport (5)
Status	On going, planned, terminated
Other descriptors	Overview Impact evaluation (savings, cost) Detailed description References

# Overview of BIEE Policy Data Base Interface

- BIEE policy data base is made of **two interfaces** :
  - A **public interface** to query policies and measures, freely accessible to anybody: <https://biece-cepal-measures.enerdata.net/energy-efficiency-policies-database.html>
  - A **private interface for national experts** to input or modify the measures accessible with a password
- BIEE policy data base is **bilingual English/Spanish** (language selection on home page):
  - Menu in Spanish if Spanish selected and vice versa.
  - Input by national experts in Spanish or English (translation of main characteristics to be done by Enerdata).

# Public interface

# The public interface: query of measures

- Possibility to search measures **by key words** (e.g. “energy poverty”) or by **sector and/or by country**
- Measures can then be **filtered** by **type** (or sub type) and/or by **end-use**.
- **As an option**, measures can also be **filtered** by target (e.g. SME’s, public sector or by **period, status** (i.e. ended, ongoing or planned) or impact (high, medium or low).
- Result of query, displayed in **table** specifying the country, sector, title, measure type and starting year.
- Possibility to export the table on **Excel**.

UNITED NATIONS

ESPAÑOL ENGLISH



Economic Commission for Latin  
America and the Caribbean

Search : ⓘ :

Sector :

All

Country :

Select...

Search

More options

More detail

3 measures found

Export

Country	Sector	Title	Type	Starting Year
Ecuador	Households	Replacement of inefficient refrigerators	Financial	2012
Mexico	Households	Mexican Official Standards for Energy Efficiency	Programme	1995
Costa Rica	Transport	New Regulations for gasoline-ethanol mixtures	Mandatory standards	2019

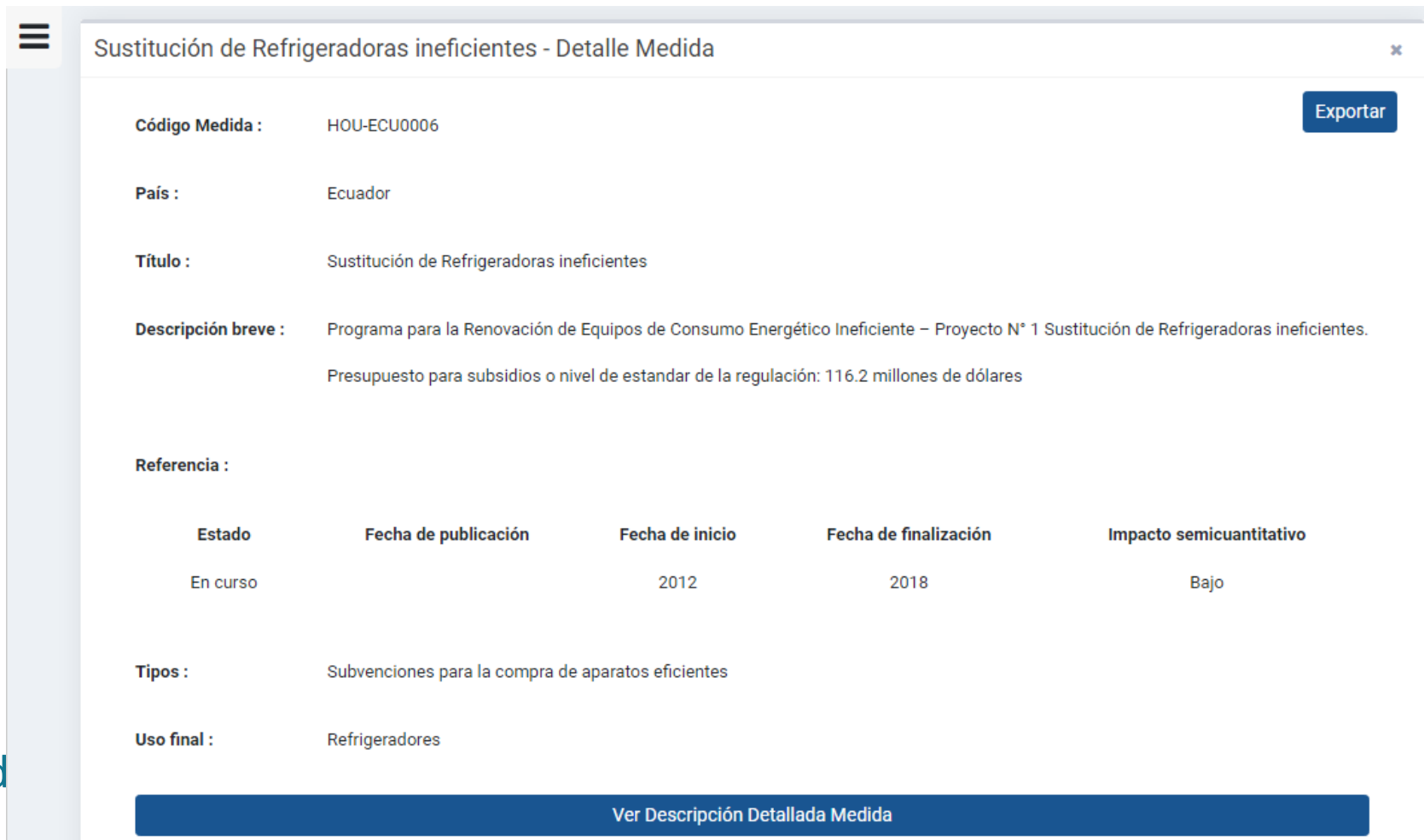
<https://biee-cepal-measures.enerdata.net/energy-efficiency-policies-database.html>

By default only ongoing measures are selected. For visualizing completed and proposed measures, click on "more options/status"



# Query of measures: display of more details

- By clicking on the title of any measure displayed in the table it is possible to get more details on each measure.
- Example of a measure in Ecuador.
- Possibility to export the **measures description as PDF**.



The screenshot displays a web interface for a measure detail page. The title is 'Sustitución de Refrigeradoras ineficientes - Detalle Medida'. The page includes an 'Exportar' button in the top right corner. The main content area lists the following details:

- Código Medida :** HOU-ECU0006
- País :** Ecuador
- Título :** Sustitución de Refrigeradoras ineficientes
- Descripción breve :** Programa para la Renovación de Equipos de Consumo Energético Ineficiente – Proyecto N° 1 Sustitución de Refrigeradoras ineficientes.  
Presupuesto para subsidios o nivel de estandar de la regulación: 116.2 millones de dólares
- Referencia :**

Estado	Fecha de publicación	Fecha de inicio	Fecha de finalización	Impacto semicuantitativo
En curso		2012	2018	Bajo


- Tipos :** Subvenciones para la compra de aparatos eficientes
- Uso final :** Refrigeradores

At the bottom of the page, there is a blue button labeled 'Ver Descripción Detallada Medida'.

# Query of measures: query filters

- Example of a **query** by sector, country, measure type and end-use.
- Possibility to filter by target (e.g. low-income household) and measure status (proposed, completed,...) with button **“more options”**

UNITED NATIONS ESPAÑOL ENGLISH

 **Economic Commission for Latin America and the Caribbean**

Search: ⓘ :

Sector :

Country :

Measure type :

End use :

More detail  one measure found

Country	Sector	Title	Type	Starting Year
Ecuador	Households	Replacement of inefficient refrigerators	Financial	2012

# Private interface

# Private interface: general content

- To **add measure or modify an existing measure** in the data base, you have to access the **"private" interface** protected by a password.
- By default a language will be selected depending on your country, which can be changed with a button.
- Click on the sector and action required.

The screenshot displays the Mure private interface. On the left is a dark sidebar with 'MAIN NAVIGATION' and options for 'Measures' and 'Quality'. The main area shows a dashboard with five sector cards: Households, Industry, Transport, Services, and Horizontal. Each card has two buttons: '+ Add a new measure' and 'Manage measures'. A blue circle highlights the 'Add a new measure' and 'Manage measures' buttons for the Households sector, with a blue arrow pointing to the 'Add a new measure' button. In the top right corner, there is a 'Language EN' button, which is highlighted with a red box and a red arrow pointing from the text in the second bullet point of the list above.

# Private interface: adding a measure

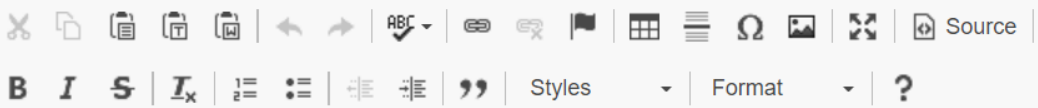
- First write the **title** which should be short to be easily displayed in the table in the public interface.
- Second include a **reference** : link to a web site
- Third provide a **short description** (1 to 5 lines)

En Es

**Title** ⓘ Normas Oficiales Mexicana de Eficiencia Energética

**Reference** ⓘ <https://www.gob.mx/conuee/documentos/normas-oficiales-mexicanas-de-eficiencia-energetica-89073>

**Short description** ⓘ



Desde 1995 a la fecha, la CONUEE (antes CONAE) ha implantado un número importante de Normas Oficiales Mexicana de Eficiencia Energética (NOM-ENER), que establecen valores de desempeño energético en equipos y sistemas, entre ellos los más utilizados en los hogares.

Paragraphs: 1, Words: 40

# Private interface: characteristics of the measure

- To **characterise** the measure (type, end-use, status, impacts and targets) you have to select among the categories proposed (drop list) and input the date for the active period.
- Information button to remind the meaning of each parameter.

**Types** ⓘ \*

**End uses** ⓘ

**Implementation** ⓘ **Issuing year**

**Active Period** ⓘ **Starting year**   
**Ending year**

**Status** ⓘ \*

**Semi quantitative impact** ⓘ \*

**targets**

# Status of BIEE policy data base

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- The software of the BIEE policy database in LACs has been adapted from the MURE policy database for Europe\* by Enerdata from July to September 2020.
- It has been tested by 4 volunteer countries, that we warmly thank: Brazil, Chile, Mexico and Uruguay

	Brazil	Chile	Mexico	Uruguay	Total
Horizontal	2	2		6	10
Households	2		1	4	7
Services			2	2	4
Industry	2			2	4
Transport	1	1		2	4
Total	7	3	3	16	29

\*MURE contains over 2000 energy efficiency measures <https://www.measures.odyssee-mure.eu/energy-efficiency-policies-database.html#/>



# Status of BIEE policy data base: overview of measures

- The pilot test showed a majority of measure on mandatory information (i.e. energy efficiency labels) and overall programmes (9 each), followed by financial measures.
- Others include an important measure in Uruguay: the energy efficiency certificates.

	Brazil	Chile	Mexico	Uruguay	Total
Mandatory information	2	2	1	4	9
Regulation			1	2	3
Financial			1	4	5
Information	1				1
Programme	4	1		4	9
Others				2	2
Total	7	3	3	16	29

# Status of contacts for BIEE Policy Data Base

Country	First contact	Participation confirmation
Argentina	18/11/2020	Y
Barbados	14/12/2020	
Bolivia		
Brasil	20/11/2020	Y
Chile	05/11/2020	Y
Cuba	14/01/2021	Considered
Colombia	18/11/2020	Considered
Costa Rica	04/12/2020	
Ecuador	07/12/2020	Y
El Salvador	18/11/2020	
Guatemala	07/12/2020	
Guyana	15/12/2020	Y
Honduras	07/12/2020	
Jamaica	14/12/2020	
Mexico	20/11/2020	Y
Panama	04/12/2020	Y
Paraguay	15/12/2020	Y
Peru		
Rep. Dominicana	15/12/2020	
Trinidad & Tobago	16/12/2020	
Uruguay	20/11/2020	Y

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Enerdata



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We provide research, solutions, consulting and training to key energy players worldwide.